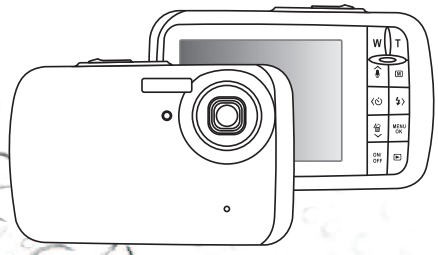
105
mm+-2



User Manual

1.0 Table of Contents

1. Total pages.....00
2. Precautions.....02
3. Important Information.....03
4. Cautions.....04
5. Overall Introduction.....04
5.1 Accessories.....04
5.2 External View.....05
5.3 Display Information.....05
6. Getting Ready.....06
6.1 Turn on/off Camera.....06
6.2 Inserting the batteries.....06
6.3 Insert/Remove a memory card....06
6.4 Attaching Wrist Strap.....06
7. Buttons & Function.....06
7.1 Shutter Button.....06
7.2 Tele/Wide Button.....06
7.3 Up/Voice Memo Button.....06
7.4 Mode Button.....07
7.5 Left/Self-timer Button.....07
7.6 Right/Flash Button.....07
7.7 Down/Delete Button.....07
7.8 MENU/OK Button.....07
7.9 Playback Button.....08
7.10 Macro Switch.....08
8. DSC Mode.....08
8.1 Shooting.....08
8.2 Function Introduction.....08
8.2.1 Flash.....08
8.2.2 Self-timer.....08
8.2.3 Macro.....08
8.2.4 EV.....08
8.2.5 Menu 08
8.2.5.1 Mode Set.....08
8.2.5.2 Size.....08
8.2.5.3 Quality.....09
8.2.5.4 White Balance.....09
8.2.5.5 Metering.....09
8.2.5.6 Shooting.....09
8.2.5.7 Sharpness.....09
8.2.5.8 Effect.....09
8.2.5.9 OSD Information.....10
8.2.5.10 Face Detection.....10
9. DV Mode.....10
9.1 Movie Recording.....10
9.2 Function Introduction.....10
9.2.1 Movie Mode.....10
9.2.2 Self-timer.....10
9.2.3 Macro Mode.....10
9.2.4 EV.....10
9.2.5 Menu 10
9.2.5.1 Video Size.....10
9.2.5.2 Metering.....10
9.2.5.3 Effect.....10
9.2.5.4 OSD Information.....10
10. Voice Recording Mode.....10
10.1 Voice Recording.....10
11. Playback Mode.....11
11.1 Playback of Still Image.....11
11.2 Playback of Movie Clip.....11
11.3 Playback of Voice Clip.....11
11.4 Thumbnail Display.....11
11.5 Enlargement.....11
11.6 Photo Exif.....11
11.7 Menu Mode.....12
11.7.1 Protect.....12
11.7.2 Slide.....12
11.7.3 Delete.....12
11.7.4 DPOF.....12
11.7.5 Rotate.....13
12. SETUP 13
12.1 General Introduction.....13
12.2 LCD.....13
12.3 Start Image.....13
12.4 System Sound.....13
12.5 Q. View.....14
12.6 Power Save.....14
12.7 Imprint.....14
12.8 Date & Time.....14
12.9 Language.....14
12.10 File.....15
12.11 Frequency.....15
12.12 Reset All.....15
12.13 Format 15
13. Specifications 16

150
mm
+-2

105
mm+-2

2.0 Precautions

Please read these operating instructions carefully in order to use the digital camera correctly. Keep the instructions in a safe place after reading so that you can refer to them later.

Precautions

- Before using the camera, please ensure that you read and understand the safety precautions described below. Always ensure that the camera is operated correctly.
- Do not aim the camera directly into the sun or other intense light sources which could damage your eyesight.
- Do not try to open the case of the camera or attempt to modify this camera in any way. High-voltage internal components create the risk of electric shock when exposed. Maintenance and repairs should be carried out only by authorized service providers.
- Do not fire the flash too close to the eyes of animals or people, especially for young children. Eye damage may result. In particular, remain at least one meter away from infants when using flash.
- Keep the camera and its accessories out of the reach of children and animals to prevent accidents or damage to the camera.
- If you notice smoke or a strange odor coming from the camera, turn the power off immediately. Take the camera to the nearest authorized service center for repair. Never attempt to repair the camera on your own.
- Use only the recommended power accessories. Use of power sources not expressly recommended for this equipment may lead to overheating, distortion of the equipment, fire, electrical shock or other hazards.

150
mm
+-2

Disclaimer

We assume no responsibility over and above the provisions of the Product Liability Law for damages suffered by the user or third parties as a result of inappropriate handling of the product or its accessories, or by their operational failure and by their use. We reserve the right to make changes to this product and its accessories without prior notice.

Warning! Never disconnect to open the camera or remove any parts of it. This will invalidate all guarantee claims.

105
mm+-2

3.0 Important Information

Important Information about water features

Water resistant features: The pressure testing is equipment in accordance with IEC Standard Publication 60529 IPX8. This means that the camera can be used normally underwater at a specified water pressure and during a specified period of time.

Before Use

- Check the battery/card chamber cover for foreign material including dirt, dust or sand. Please use the non-woven fabric to remove foreign material.
- Be sure there's no crack and damages at battery/card chamber cover.
- Be sure to close the battery cover and card chamber cover firmly once click sound happens as well as double check the battery cover is closed.
- Don't open the battery/card chamber cover with wet hands while underwater, or in a damp or dusty environment. (beach, lake, river)
- This camera sinks underwater.
- Do not use the camera in hot spring.

During using in water

- Please do not operate/carry the camera underwater at depths over 3 meters or for over 60 minutes.
- Do not open the battery/card chamber cover in water.
- Avoid subjecting the camera substantial shocks as this may cause the battery/card chamber cover to open in water.

After Use

- Be sure to wipe off any water or debris by non-woven fabric after using the camera underwater. After cleaning the camera, it is allowed to open the battery/card chamber cover.
- After opening the chamber cover, be sure to wipe off the excess water inside the cover.

150
mm
+-2

Storage and Maintenance

- Don't leave the camera in an environment at high temperature (40°C or more) at low temperature (0°C or less). Failure to do so may break down water resistance.
- Don't use chemicals for cleaning, rush prevention, anti-fogging, repairing, etc. Failure to do so may break down water resistance.
- After using in water, be sure to close the battery/card/connector chamber cover firmly and put the camera into a bucket filled with water. After 10 minutes in the water bucket, take out the camera and dry it naturally in a ventilated and shady place.
- Don't leave the camera in the water bucket for a long time (over 60 minutes). Failure to do so will cause damage to the camera's appearance and/or deteriorate water resistance. In order to preserve the water resistance feature, as with any underwater housing, it is recommended that the waterproof packing (seals) are replaced annually.
- All the accessories (including batteries) for the camera do not support water resistant features beside hand strap.
- If the camera is subjected to a great shock, its waterproof feature could fail.
- Be sure there is no water and foreign materials inside the camera. Under fire accident or getting an electric shock, once the camera falls into water incautiously, it could be permeated with water and foreign materials. The user should pick the camera from the water and remove the batteries immediately. Send the malfunctioned camera to the service center for repair or contact with the store you bought from.
- Do not wet the terminal of the batteries when using underwater or seawater.
- Do not touch or take the batteries with wet hands which may cause an electric shock or malfunction.

105
mm+-2

4.0 Cautions

- Do not try to disassemble the camera by yourself, which may damage the camera or cause electric shock.
- Do not fire the flash in a close distance (less than 1 meter); it may hurt your eyes.
- Keep the camera away from the reach of children or animals to prevent them from swallowing the batteries or small accessories.
- Stop using the camera if any kind of liquid or foreign object enters the camera. If it happens, power off the camera and contact your dealer for help.
- The camera may be damaged in an environment of high temperature.
- To avoid electricity leakage, please remove the batteries if the camera is expected not to be in use for a long period.
- It is normal that the temperature of the camera body rises if the camera works for a long time.

Small Tip to Save You Big Headache

A digital camera is in a way very similar to a computer. If the digital camera hangs itself during operation, please follow the procedures below and most likely the camera can be re-activated.

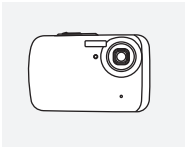
1. *Remove the batteries.*
2. *Reload the batteries.*
3. *Switch on the camera.*

150
mm
+-2

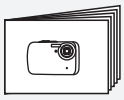
5.0 Overall Introduction

5.1 Accessories

Digital Camera

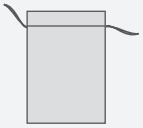


User Manual



Wrist Strap

Camera Pouch

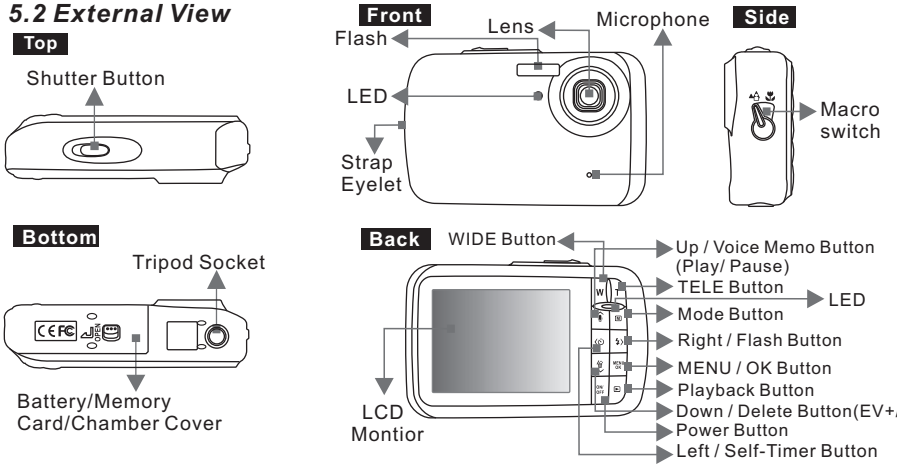


3 x AAA Batteries

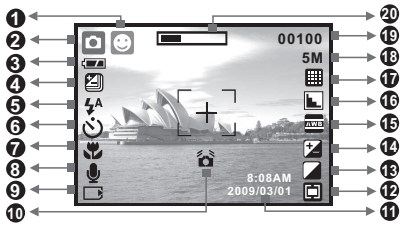
105
mm+-2

5.0 Overall Introduction

5.2 External View



5.3 Display Information



❶ **( ) Face Detection**

❷ **Working& Scene Mode**
( ) Image Shooting Mode
( ) Playback Mode
( ) Movie Clip Mode
( ) Voice Recording Mode
( ) Auto Mode
( ) Smart Mode
( ) Portrait Mode
( ) Night Mode
( ) Program Mode
( ) Landscape Mode
( ) Transform Mode
( ) Backlight Mode
( ) Auction Mode
( ) Sport Mode
( ) Underwater DSC Mode
( ) Underwater DV Mode
( ) Smile Shutter Mode

❸ **Battery Status**
( ) Battery Full
( ) Battery Half Drained
( ) Battery Drained

❹ **Shooting**
Single
( ) Continuous ( ) AEB

❺ **Flash Mode**
( ) Auto Flash
( ) Fill-in Flash
( ) Flash Off

❻ **Self-timer**
( ) 10 Seconds
( ) 2 Seconds
( ) Double

❼ **Focus Range ( ) Macro**

❽ **Voice Memo ( )**

❾ **Memory Card**
( ) No Card
( ) Memory Card inserted

❿ **( )WARNING: Holding Camera Stable**

⓫ **Time & Date**

⓬ **Metering**
( ) Multi ( ) Spot

⓭ **EFFECT**
NORMAL ( ) SEPIA
( ) B & W ( ) NEGATIVE

⓮ **EV**
( ) Exposure+-2EV(0.5 EV/Steps)

⓯ **White Balance**
( ) Auto ( ) Fluorescent
( ) Daylight ( ) Tungsten
( ) Cloudy

⓰ **Sharpness**
( ) Soft
( ) Normal
( ) Vivid

⓱ **Quality**
( ) S. Fine
( ) Fine
( ) Normal

⓲ **Image Size**
(12M) (by interpolation)
(5M)
(3M)
(1M)
Video Size
( ) 720 x 480
( ) 640 x 480
( ) 320 x 240

⓳ **(00100) Available Shots or**
(00:00:24) Video Time

⓴ **Zoom Status Indicator**
( )

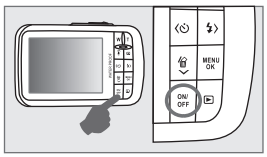
150
mm
+-2

105
mm+-2

6.0 Getting Ready

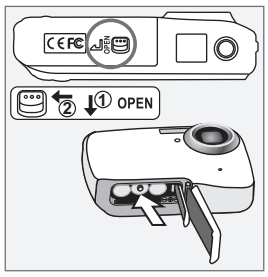
6.1 Turn on / off Camera

- Press the Power Button (approx. 2 seconds) to turn on the camera.
- Press the Power Button again to turn off the camera.



6.2 Inserting the batteries

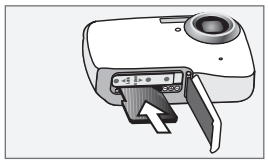
1. Power off the camera.
2. Push the battery cover following the arrow to open it.
3. Follow the polarity (+/-) indications and insert the batteries.
4. Close the battery cover.



- The indication of the battery status.
  ( ): Battery power is full.
  ( ): Battery power is half drained.
  ( ): Battery power is drained. Replace with new battery.
- Battery type; AAA Battery, to recommend to use Alkaline or Ni-MH Battery. Please go to setup Mode and select exact "Battery Type" accordingly.
- The batteries may run out if kept inside the camera and not in use for a long time.
  The batteries may not work normally under 0°C or over 40°C.

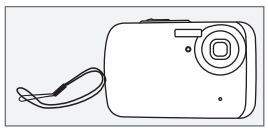
6.3 Insert / Remove a memory card

1. Power off the camera.
2. Open the Battery Cover.
3. Insert the memory card into the card slot and press it down until a click sound is heard.
4. Please press the memory card again to get it out once a click sound happens.



6.4 Attaching Wrist Strap

To make sure strap is proper fixed before took it.

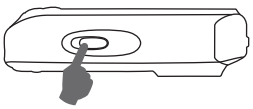


150
mm
+-2

7.0 Buttons & Function

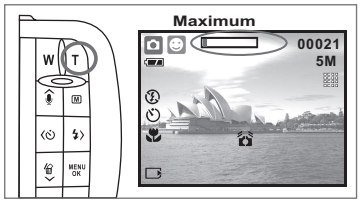
7.1 Shutter Button

Fully press the shutter button to capture an image.



7.2 Tele / Wide Button

- Press the Tele Button, the Zoom Bar Indicator appearing on the top side of the LCD Monitor will show the current zoom status.



7.3 Up / Voice Memo Button

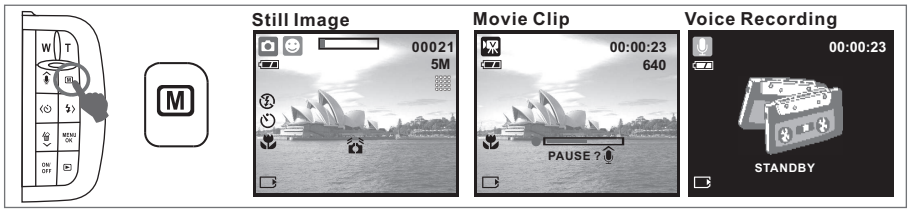
- Press the Up Button ( ) to move the cursor to the up tab.
- Under Image Shooting Mode, you can press the Voice Memo Button ( ) to have 10 seconds of voice memo after you release shutter.
- Under Playback Mode, you can choose an still image and press the Voice Memo Button ( ) to have 10 seconds of voice memo after you release shutter.
- ( ) icon will be displayed on the LCD under playback mode.

105
mm+-2

7.0 Buttons & Function

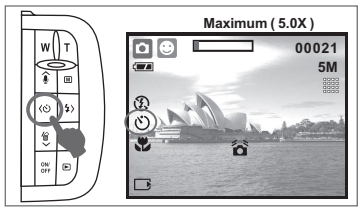
7.4 Mode Button

There are three modes.



7.5 Left / Self-timer Button

Press the (〈) Button to move the cursor to the left tab.
When the menu is not displayed on the LCD monitor, the Left Button operates as Self-timer function.
With the 10 sec. Self-timer ( ): The image will be taken after an interval of 10 seconds once the Shutter Button is released.
With the 2 sec. Self-timer ( ): The image will be taken after an interval of 2 seconds once the Shutter Button is released.
With the Double Self-timer ( ): The image will be taken twice once the Shutter Button is released. The first image will be taken after 10 seconds and the second image 2 seconds after that.



7.6 Right / Flash Button

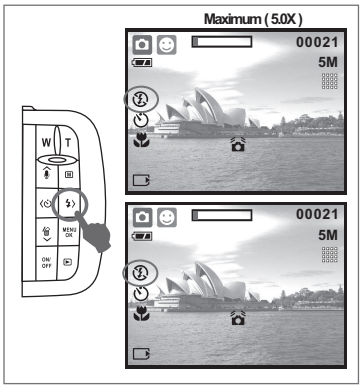
Press the Right Button (〉) to move the cursor to the right tab.

Under Image Shooting Mode, the Right Button (ϟ) operates as Flash options.

By pressing the Flash Button (ϟ) you can select different flash options as follows.

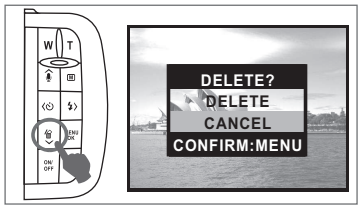
ϟA	**Auto Flash**	The flash fires automatically as required under shooting mode.
ϟ	**Fill-in Flash**	This mode will enable the flash to fire in any circumstances.
⊘	**Flash Off**	The mode will disable the flash to fire in any circumstances.

Note:The flash doesn't work in underwater DV mode.



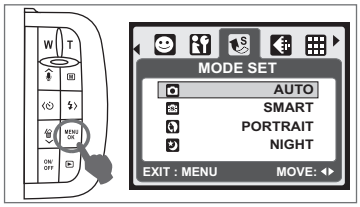
7.7 Down / Delete Button

Press the Down Button to move down the submenu cursor.In Playback Mode, you can press the Delete ( ) Button to delete still images, movie clips and voice clips.



7.8 MENU / OK Button

Press the Menu Button to go to the menu selection.
Under Menu mode, press OK Button to confirm the setting.



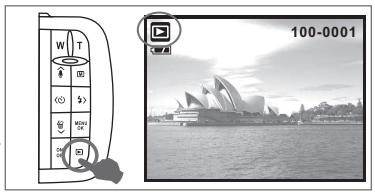
150
mm
+-2

105
mm+-2

7.0 Buttons & Function

7.9 Playback Button

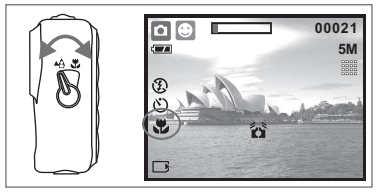
- Select the Playback Mode by pressing the Playback Button ( ).
- Playback Mode will show still images and movie clips and audio clips.
- Select an image by pressing the Left and Right Buttons.



7.10 Macro Switch

Focus range: Normal: 1.2M~infinity
Macro: 20cm

Note: Please make sure that the Focus is set correctly. Otherwise, the image will be out of focus.
Move the Focus Switch up to activate Macro function. The Macro icon ( ) will appear on the LCD Monitor.

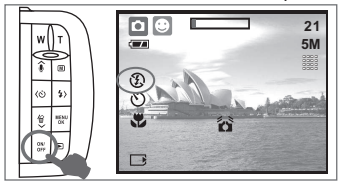


8.0 DSC Mode

8.1 Shooting

Taking a Picture

1. Press the POWER Button to power on the camera.
2. Make sure the camera is at still shooting mode.
3. Press the TELE Button to zoom in.
4. Press the Shutter Button to capture the image.



⚠ It is recommended to attach a tripod or other device if the hand shaking icon ( ) appears.

8.2 Function Introduction

8.2.1 Flash

Please refer to 7.6 Flash description on Page 7.

8.2.2 Self-timer

Please refer to 7.5 Self-timer on Page 7.

8.2.3 Macro

Please refer to 7.10 Macro on Page 8.

8.2.4 EV

Under Image Shooting Mode, after pressing down

Delete / Down button, you can easily adjust the value of the exposure by left /right button from +2.0EV to -2.0EV (at 0.5EV increments).

8.2.5 Menu

8.2.5.1 Mode Set

This feature is for you to choose the scene of the image from the following options.

( ) Auto Mode
( ) Smart Mode
( ) Portrait Mode
( ) Night Mode
( ) Program Mode
( ) Landscape Mode
( ) Transform Mode
( ) Backlight Mode
( ) Auction Mode
( ) Sport Mode
( ) Underwater DSC Mode
( ) Underwater DV Mode
( ) Smile Shutter Mode

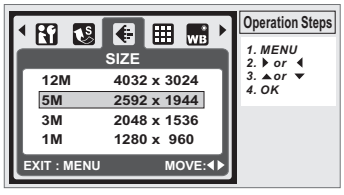
Note:

1. Under Smart Mode, the camera automatically detects and adjusts the scene mode according to shooting condition when previewing.
2. Transform Mode could make the subject look slimmer or stretched wider. Under Transform Mode, you can press Menu Button to find the transform settings. There are 4 levels from -10%(slim) to +10%(stretched).
3. Under Smile Shutter Mode, when taking a portrait photo, the camera will auto detect the smile and release shutter at the same time. You can use this function when taking a picture for babies or children.
4. Underwater Mode
   - Press the Menu button and select underwater scene mode to enter to underwater DSC Mode. ( ) Icon will be displayed on the LCD.
   - Underwater DSC Mode, you could take a picture in the sea or pool by pressing the shutter key.
   - Underwater DV Mode-Press the mode ( ) button. the scene mode will be switched from Underwater DSC mode to Underwater DV Mode. In underwater DV Mode, press the shutter key to start/stop movie recording.

Note: The scene mode feutures cannot be selected when you use underwater DSC/DV mode.

8.2.5.2 Size

Image Size is to select the image resolution.
(12M) 4032 x 3024 (by interpolation)
(5M) 2592 x 1944 (3M) 2048 x 1536
(1M) 1280 x 960



150
mm
+-2

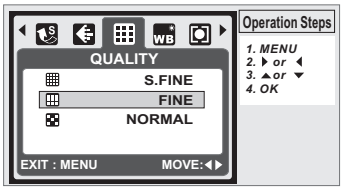
105
mm+-2

8.0 DSC Mode

8.2.5.3 Quality

Quality is to select the appropriate compression ratio for the captured and recorded images.

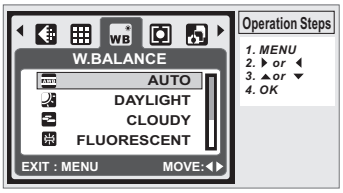
( ) S. Fine ( ) Fine ( ) Normal



8.2.5.4 White Balance

In Program mode (P), select WB in Menu.

AWB	Auto	Adjust the white balance automatically
	Daylight	For strong light environment
	Cloudy	For cloudy light environment
	Fluorescent	For fluorescent light environment
	Tungsten	For tungsten light environment

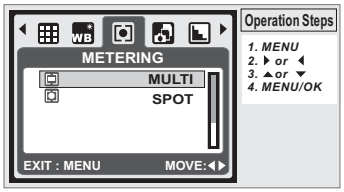


8.2.5.5 Metering

In Program Mode (P), select Metering in Menu. Metering provides more superior exposure condition and brighter pictures.

Multi Metering: Exposure will be evaluated according to the average of the available light source in the image area. This is suitable for general use.

Spot Metering: If the subject is against the light source or has little contrast, you can use this function to make the subject brighter.



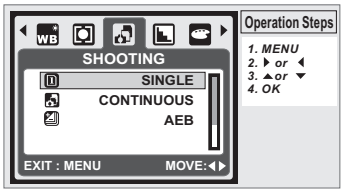
8.2.5.6 Shooting

In Program Mode (P), select Shooting in Menu.

1. SINGLE: No continuous shooting.
2. CONTINUOUS: You can have the continuous shooting function starting by pressing and holding the Shutter Button and ending by releasing the Shutter Button.
3. AEB (Auto Exposure Bracketing)
   Take three pictures in a series in different exposures, short exposure (-0.5EV), standard exposure (0.0EV) and over exposure (+0.5EV).

Note: The continuous shooting function will not be canceled until " SINGLE" is selected.

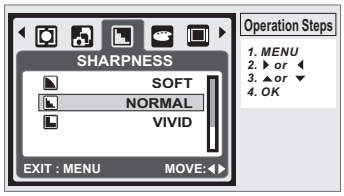
Note: When Continuous shooting or AEB function is selected, flash will be disabled.



8.2.5.7 Sharpness

In Program Mode (P), select Sharpness in Menu.

	Soft	This effect can make the edge of the captured image look smoother, which is suitable for image editing on PC.
	Normal	This effect can make the edge of the captured mage look sharp, which is suitable for printing out.
	Vivid	This effect can make the edges of your captured image look sharper but may result in more image noise.



8.2.5.8 Effect

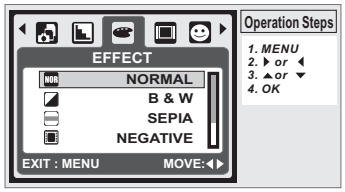
In Program Mode (P), select Effect in Menu.

NORMAL	NOR	No special effect is added to the picture.
B & W		Turn the image into black and white.
SEPIA		Turn the image into yellowish brown.
NEGATIVE		Turn the image into negative film effect.

150
mm
+-2

105
mm+-2

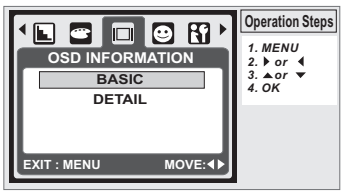
8.0 DSC Mode



8.2.5.9 OSD Information

There are 2 options for the OSD information.

1. BASIC: Only basic information is required.
2. DETAIL: Detailed information is required.



8.2.5.10 Face Detection

Face Detection allows you to focus on human faces.It is effective with the camera held horizontally or vertically.

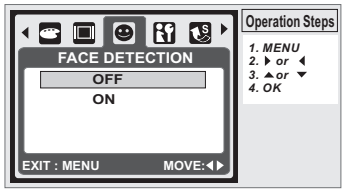
Face Detection can only be used with still image.

Face Detection is effective within a distance 2.5m.

Subjects not suitable for Face Detection:

1. The face is obscured by glasses, a hat or hair.
2. A person turned sideways, or who has his head lifted.
3. The subject is too far to be recognized as a face.

Note: The Face Detection ( ) icon will be displayed on the top of the LCD Monitor.



9.0 DV Mode

9.1 Movie Recording

1. Press the Power Buttonto turn on the camera.
2. Press the Mode Button to change to Movie Clip Mode( ).
3. Press the Shutter Buttonto start or stop movie recording.
4. Press the UP Button to pause / resume during recording.

9.2 Function Introduction

9.2.1 Movie Mode

Press the Mode Button and switch to Movie Mode.

9.2.1.1 Underwater DV mode

Please refer to 8.2.5.1 underwater Mode of scene Mode set on Page 8.

9.2.2 Self-timer

Please refer to 7.5 Self-timer on Page 7.

9.2.3 Macro Mode

Please refer to 7.10 Macro Mode on Page 8.

9.2.4 EV

Please refer to 8.2.4.EV on Page 8.

9.2.5 Menu

9.2.5.1 Video Size

The video size options are provided as follows:
720 (720 x 480) 640 (640 x 480) 320 (320 x 240)

9.2.5.2 Metering

Please refer to 8.2.5.5 Metering on Page 9.

9.2.5.3 Effect

Please refer to 8.2.5.8 Effect on Page 9.

9.2.5.4 OSD Info

Please refer to 8.2.5.9 OSD Info on Page 10.

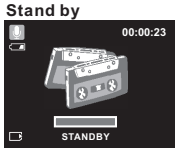
150
mm
+-2

10.0 Voice Recording Mode

10.1 Voice Recording

1. Press the Mode Button and switch Voice Recording Mode( ).
2. Press the Shutter Button to start the recording and press the Shutter Button to stop the recording.
3. During recording, press Up/Voice Memo Button to put the recording on hold and press it again to continue recording.

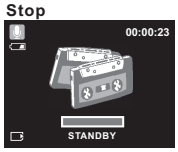
Stand by



Start Recording

Recording On Hold

Stop



105
mm+-2

11.0 Playback Mode

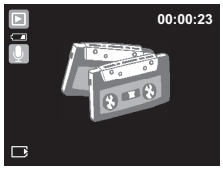
11.1 Playback of Still Image

- Please press the Playback (▣) Button to view the images taken.
- Press the Right or Left Button to go to the next or the previous image.
  Press the Delete (🗑) Button to delete the image.
  Note: The icon (♪) shows up when viewing a still image with a voice memo (Please refer to Page 6).

11.2 Playback of Movie Clip

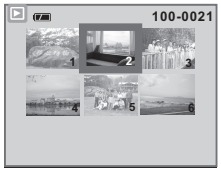
- Press the Playback (▣) Button to play the Movie Clips.
- Press Up/Voice Memo Button, to play or pause the movie clip when browsing a video file.
- During Video Playback, press the Left Button for Rewind, press the Right Button for fast forward.
- Press the Delete (🗑) Button to delete the movie clip.
  Note: The icon (🎞) on the top left of the LCD Monitor represents a Movie clip, not a still image.

11.3 Playback of Voice Clip



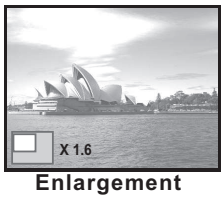
- Press the Playback (▣) Button to browse the Audio Clips.
- Press the Delete (🗑) Button to delete the Voice clip.
  Note: The icon (🎙) on the top left of the LCD Monitor represents an audio clip, not a still image or movie clip.
  Note: Please connect with PC by USB cable to play the audio clip on PC.

11.4 Thumbnail Display



Thumbnail Display is a convenient tool for you to find the image you took from the list. In Playback Mode, you can press WIDE Button to have Thumbnail Display.
(Press OK or TELE Button to go back to normal Playback display.)

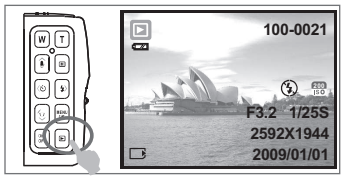
11.5 Enlargement



Enlargement

1. Select a file and press the Tele Button to enlarge the selected image or file.
2. Press and hold the Tele Button to enlarge the image to up to 8.0X. (Depending on the original size of image.)
3. Use the UP/DOWN/LEFT/RIGHT Button to explore the image and check the focus.
4. Press and hold the Wide Button to return the image to its normal size.

11.6 Photo Exif



1. Long-press the Playback Button to have Photo Exif .
2. The image information will be displayed on the below of LCD Monitor.
3. Long-press the Playback Button to cancel the display.

150
mm
+-2

105
mm+-2

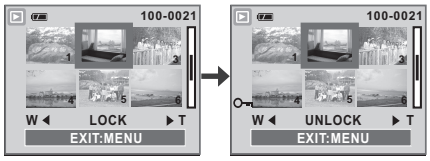
11.0 Playback Mode

11.7 Menu

11.7.1 Protect

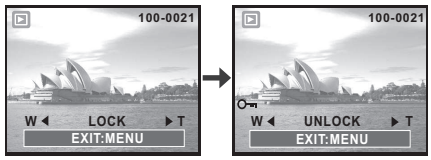
Set selected image(s)with Protection

1. In Playback Mode, press the Menu Button and select "Protect" and"Select".
2. Press the OK Button to confirm the request.
3. Select one image and press the TELE/ WIDE Button to lock theimage.
4. ( ) will show on the LCD monitor when the protection is set.
5. Press the TELE/ WIDE Button again to cancel the protection.



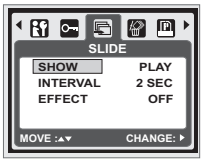
Set all images with Protection

1. Press the Menu Button and select "Protect" and "All".
2. Press the OK Button to confirm the request.
3. ( ) will show on the LCD Monitor when the protection is set.
4. Press the OK Button again to cancel the protection.



11.7.2 Slide

1. This option enables you toview your photos with slide show.
2. Press the Menu Button and select “SLIDE”.
3. There are 3 interval options available.
   (a) Show: Play, Repeat
   (b) Interval: 2, 3, 5, 10 sec.
   (c) Effect: Effect 1, 2, 3, 4, MIX
4. Select the OK Button to confirm the request.



11.7.3 Delete

Delete single image

1. Select the image you want to delete and press the Menu Button and select “DELETE" and "ONE”.
2. Press the OK Button to confirm the request or select cancel to give up the request.

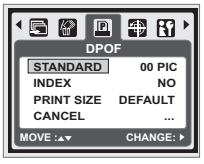
Delete all images

Select "DELETE" and "ALL" and press the OK Button to confirm the request or select cancel to give up the request.

11.7.4 DPOF

- This function can only be used when a memory card is inserted.
- This option allows you to put the print quantity (MAX.30 pcs) on your memory card.

[ONE PIC] - specifies the number of copies for a selected image.
[ALL PICS] - specifies the number of copies for all pictures apart from movie clips and voice recording files.
Note: You cannot see the "PRINT" function on the LCD Monitor if a memory card is not inserted.



150
mm
+-2

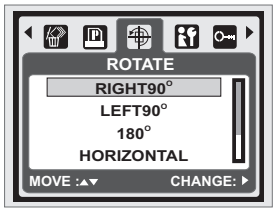
105
mm+-2

11.0 Playback Mode

11.7.5 Rotate

With this setting you can rotate the image RIGHT 90°, LEFT 90°, 180°, HORIZONTAL and VERTICAL.

1. Choose the image you want to rotate.
2. Press the Menu Button and choose "ROTATE".
3. Choose the rotation you prefer and press the OK Button.
4. The image after rotation will be stored as a new image.

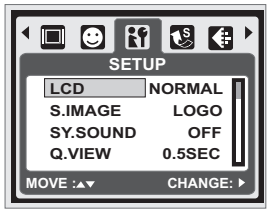


12.0 SETUP Mode

12.1 General Introduction

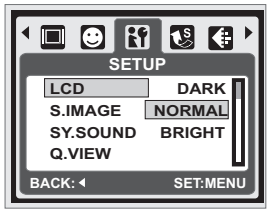
You can enter Setup Mode by pressing the MENU Button and select "Setup" ( ).

1. LCD
2. S. Image
3. SYS. Sound
4. Q. View
5. Power Save
6. Imprint
7. Date & Time
8. Language
9. File
10. Frequency
11. Reset All
12. Format



12.2 LCD (Default: Normal)

There are 3 options of the LCD brightness to select: Dark, Normal, and Bright.

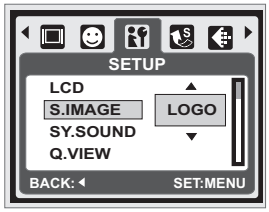


150
mm
+-2

12.3 Start Image (Default: LOGO)

To set up the start-up image, please follow the steps below.

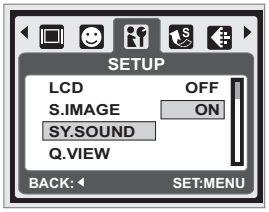
1. Press the Menu Button and select "Setup".
2. Select "S. Image".
3. Select LOGO and press the OK Button to confirm the setting. Or you can select **[OFF]** to not have a start-up image when power on the camera.



12.4 System Sound (Default: ON)

To set up the System Sound, please follow the steps below.

1. Press the Menu Button and select "SY.Sound" and “ON", or
2. You can select "OFF" to turn off the System Sound.

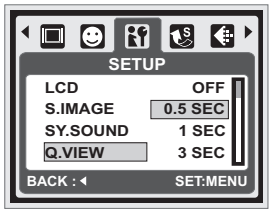


105
mm+-2

12.0 SETUP Mode

12.5 Q. View (Default: 0.5 SEC)

To set up the quick view time, please follow the steps below.
1. Select the time you prefer, or
2. You can select "OFF" to have no Quick View Time after capture.

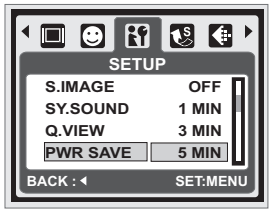


12.6 Power Save (Default: 3MIN)

To set up the power saving time, please follow the steps below.

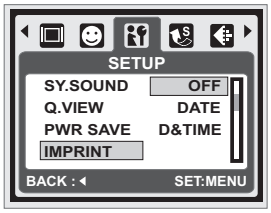
1. Select the time you prefer for the power saving and confirm the setting, or
2. You can select "OFF" to disable the power saving function.

Note: If it is set at "OFF", the camera will not turn off automatically. The batteries may get drained quickly if the camera is turned on for a long time.



12.7 Imprint (Default: OFF)

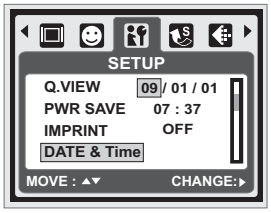
This function allows you to print the date or date & time on the image.



150
mm
+-2

12.8 Date & Time(Default: OFF)

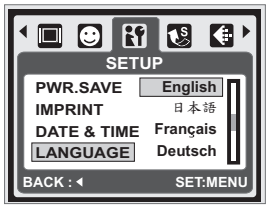
This function allows you to select the type of the date & time and fill out the current date & time.



12.9 Language

There are 12 languages:

1. English
2. Japanese
3. French
4. German
5. Spanish
6. Italian
7. Turkish
8. Russian
9. Thai
10. Portuguese
11. Simplified Chinese
12. Traditional Chinese

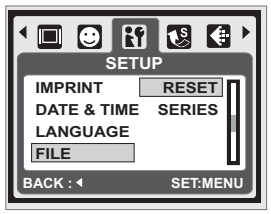


105
mm+-2

12.0 SETUP Mode

12.10 File (Default: SERIES)

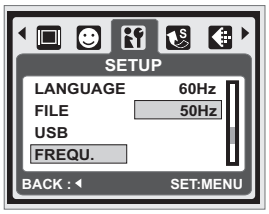
This setting allows you to name the files.If SERIES is selected, the file name will follow the latest stored file name.
If RESET is selected, the next file name will be set from 0001 even after formatting, deleting all, or inserting a new memory card.



12.11 Frequency (Default: 50Hz)

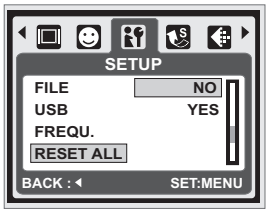
The light frequency setting is for anti-flicker.

60Hz: USA, Taiwan, Korea, Japan.
50Hz: UK, Germany, Italy, Spain, France, Netherlands, China, Japan, Portugal.



12.12 Reset All (Default: NO)

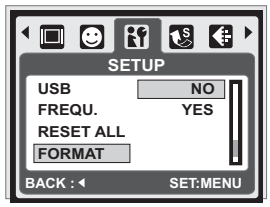
This option provides the function of recalling all default setting except the Date, Time, Language and Light Frequence.



150
mm
+-2

12.13 Format (Default: NO)

This function allows you to format the memory card.
Note: All the data stored in the memory card will be deleted after the formatting.



105
mm+-2

13.0 Specifications

Image Sensor	5.0 Mega Pixels CMOS Sensor (Max. 12.0M via interpolation)
Lens	Type: Fixed Focus (F3.2/ f=5.2mm)
Digital Zoom	Still Image: 1X~5X; Movie Clip: 1X~3X; Playback: 1X~8X
LCD	2.7" TFT LCD
Focusing Range	Normal: 1.2M~infinity, Macro: 20cm
Shutter Speed	Normal: 1/2 sec. - 1/2000 sec., Night Scene: 3 sec. - 1/2000 sec.
Flash Mode	Auto, Fill-in Flash, Flash off
Metering	Multi, Spot
Sharpness	Soft, Normal, Vivid
Effect	Normal, B&W, Sepia, Negative
White Balance	Auto, Daylight, Cloudy, Fluorescent, Tungsten
Voice Recording	Yes, also supports Voice Memo under Still Image
Shooting	Single Image, Continuous Shooting, AEB
Self-timer	2 sec., 10 sec., Double
Scene Mode	Auto, Smart, Portrait, Night, Program, Landscape, Transform, Backlight, Auction, Sport, Underwater, Smile Shutter.
Image Size	12M (via interpolation), 5M, 3M, 1M
Movie Size	720x480(D1), 640x480(VGA), 320x240(QVGA); frame rate: 30fps
Storage Media	Supported Media Card: SD/SDHC Card (Supported up to 16GB); Internal Memory: N/A
File Format	Still Image: JPEG (DCF), EXIF 2.2, DPOF 1.1
	Movie Clip: MJPEG, AVI Format with Audio PCM Audio: WAV format, monaural sound for Voice Recording
Playback	Single image, Thumbnails, Slide show, Movie Clip, Audio Clip, Rotation
Interface	Digital output connector: No USB port; Built-in Microphone; Buzzer out
Power Source	3xAAA alkaline or Ni-MH Batteries
Dimensions (WxHxD)	95mm x 60mm x 24mm
Weight	110g (without batteries and card)
Mass Storage	No USB port
Special Features	Waterproof: IPX8 (3 meters) Face Detection Smile Shutter
System Requirement for Windows	PC with processor better than Pentium II (500MHz) Windows 2000 Professional (SP4)/ ME/ XP(SP2)/ Vista/ Win7 Minimum 512MB or More SD card Reader 800x600 pixels, 24-bit color display compatible monitor
System Requirement for Macintosh	Power Mac G4 or later Mac OS 10.0 or later Minimum 512MB RAM or More SD card Reader

"Specifications and product design are subject to change without any notice for further improvement"

150
mm
+-2